

TITLE OF THE INVENTION  
FLEA FEEDING APPARATUS

5 ABSTRACT OF THE DISCLOSURE

The present invention is directed to a flea feeding apparatus and method for obtaining *in vivo* feeding data for fleas feeding from a blood source. In particular, the present invention is directed to a flea feeding apparatus and method for obtaining *in vivo* flea feeding data for fleas feeding from blood sources such as, for example, a  
10 mammal or reptile. The flea feeding apparatus includes a containment system comprised of a subject-restraining apparatus and a removable housing that confine the fleas in proximity with the blood source in order to obtain *in vivo* flea feeding data. This invention allows a known quantity of fleas to feed on a test blood source undisturbed, followed by the recovery of all of the fleas for further observation and  
15 analysis, with minimal stress and manipulation of the blood source (test animal host).